# **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES						`			
DATE	STEP	PROC	EDURE CH	IANGE	Ву	Date	Qty	Approva Chief Eng / Prod Mgr	Approval QC Inspector		
Part No	<u> </u> :	PAR #:	Fault Ca	tegory:	NCR: Ye	s No DO	2A:	Date:			
		esolution:									
NCR:			ORK OR	DER NON-CONFORMAI	NCE (NC	R)					
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	n B Sigr	l& ∣ <sub>Se</sub>	<b>fication</b> ction C	Approval Chief Eng	Approval QC Inspector		
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Quality Control

Dart Aerospace L
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W/O:	WORK ORDER CHANGES						, ·			
DATE	STEP	PROCI	EDURE CH	IANGE	Ву	Date Qty.	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No:	:	PAR #:	Fault Ca	tegory:	NCR: Yes	lo DQA:	_ Date: _			
	R	esolution:	Disposit	ion; <u>`</u>	QA: N/C Clo	sed:	Date: _			
NCR:		WC	ORK OR	DER NON-CONFORMA	NCE (NCR)	)				
DATE	STEP	Description of NC	4	Corrective Action Section	on B Sign &	Verification	Approval	Approval		
DAIL	O I.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Section C	Chief Eng	QC Inspector		
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# **Dart Aerospace Ltd**

W/0:54670		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / * Prod Mgr	Approval QC Inspector		
		W							
		Jan 19 6							

Part No: <u>D350748-241TRN</u> PAR #:	Fault Category:	Longer	NCR: Yes No	DQAGWY	Date: 12 (1	1/02
Resolution:	Disposition:	RTV	QA: N/C Closed	l:	Date:	

NCR: WORK ORDER NON-CONFORMANCE (NCR)							
	Description of NC		Corrective Action Section B		Verification	Approval	Approval
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
MaO	supplier did nut sanddast	209.21	Sand for sandblasty to range Scale only			17 .	OS
la l	or onique Sundier	V	Josane PO-17974 Co	(12/04/2	1	13.10.51	Willer
			receives + tropect	14/1/01			
	·						:
	STEP	STEP Description of NC Section A	STEP Description of NC Section A Initial	STEP Description of NC Section A Chief Face Corrective Action Section B  Initial Action Description Chief Face Chief Face	STEP Description of NC Corrective Action Section B  Initial Action Description Sign & Chief Face Ch	STEP  Description of NC Section A  Chief Eng  Corrective Action Section B  Verification Section C  Chief Eng  Chief Eng  Corrective Action Description Chief Eng  Chief Eng  Chief Eng  Corrective Action Description Chief Eng  Chief Eng  Chief Eng  Corrective Action Description Chief Eng  Chief Eng  Corrective Action Section B  Verification Section C	STEP Description of NC Section A Chief For Chi

Work Order ID 84670 . Mav-30-12 3:47:40 PM Item ID: D350-748-241TRN Accept \*N900040100\* Setup Start **Revision ID:** Crosstube Turning Detail Item Name: **Start Date:** 17/05/2012 Start Qty: 1.00 **Cust Item ID: Required Date:** 22/05/2012 Req'd Qty: 1.00 Customer: Reference: Run Process Plan: \_\_\_\_ Date: Approvals: Tooling: Date: Stop SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool# Tool ID Plan Accept Reject Work Center ID Description **Run Hours** Qty Code Qty 180 QC6- Inspect dimensions to drawing 0.00 \*120\* QC Memo Quality Control

0.00

0.00

0.00

0.00

190 \*100\* Packaging

Packaging

Packaging

Memo

Identify and stock in kanban rack Location: L

200

\*200\* QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

Reject Number Stamp

Insp.

12-11-12

12/10/31 de

Dart Aerosi	pace Ltd
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W/O:			GES	S						
DATE	STEP	PRO	OCEDURE CHANGE By			у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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				•						
						.				
Part No	:	PAR #:	Fault Cate	gory:	_ NCR:	Yes N	lo DQA	\:	_ Date: _	
		esolution:								
NCR:				ER NON-CONFORM						
DATE	OTED	Description of NC	Corrective Action		Section B Verifi		Verific	ation	Ammuousi	Annuard
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Section		Approval Chief Eng	Approval QC Inspector
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Do 5		
DART AEROSPACE LTD	Work Order:	89670
	·	
Description: Crosstube Assembly (AS350/355 High Aft)	Part Number:	D350-748-241
		, , , , , , , , , , , , , , , , , , ,
Inspection Dwg: D350-748-241 Rev: F		Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

Inspection Sheet Drawing Dimension		spection Sheet wing Dimension Tolerance		Accept	Reject	Method of Inspection	Comments
	2.240	+0.005/-0.000	2.245		<	vern	cW6-08
	2.180	+0.005/-0.000	2.185		1	- 3 ]	7.
	2.180	+0.005/-0.000	2-184		4		<u>.</u>
	2.208	+0.005/-0.000	2-273				
	2.234	+0.005/-0.000	2.239				
_	2.253	+0.005/-0.000	2.256				
EA	2.272	+0.005/-0.000	2277	<i>y</i>			
SIDE	2.299	+0.005/-0.000	2.303			V.	
	0.063	+/-0.010	,063			vern	CWC-08
	4.26	+/-0.030	4.26			S. (1)	
	R0.063	+/-0.010	.063			F.6	
	R0.50	+/-0.030	-500	J		11	
	2.240	+0.005/-0.000	2.246-20	43 -		vern	ONC-OX
	2.180	+0.005/-0.000	2.185				
	2.180	+0.005/-0.000	2.184				
	2.208	+0.005/-0.000	2.211				
	2.234	+0.005/-0.000	2.238				
œ	2.253	+0.005/-0.000	2.258				
	2.272	+0.005/-0.000	2-277	/			
SIDE	2.299	+0.005/-0.000	2.303			$ar{\psi}$	
	0.063	+/-0.010	-063			vern	CWC-08
	4.26	+/-0.030	4.26			1(	
	R0.063	+/-0.010	.063	ン		16	
}	R0.50	+/-0.030	.560			((	
	122.70	+/-0.060	122.700			Tape	16-15

		<del>-\4</del>		
Measured by: Angn (	Audited by:	1	Preliminary Approval:	
Date: 12/06/06	Date:	2620	Date:	

Rev	Date	Change	Revised by	Approved
Α	07.01.17	New Issue (P/O D350-748-201)	KJ/JLM (	1.
В	12.02.02	Dwg Rev updated	KJ &	M

# **Dart Aerospace Ltd**

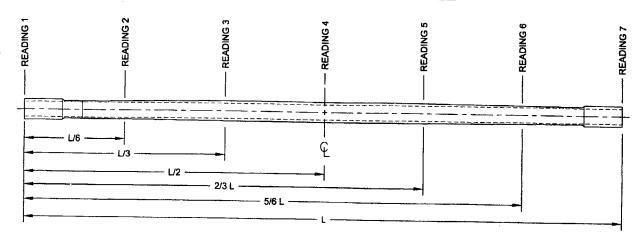
W/O:		The State of the S	W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CH	ANGE		By Date Qty			Approval Chief Eng / Prod Mgr	Approval QC inspector
Part No		PAR #:		-						
	Re	esolution:							Date: _ 	
NCR:		•	WORK OR	DER NON-CONFORM	ANCE	(NCF	<b>?</b> )			
DATE	STEP	Description of NC		Corrective Action Section B			Verification		Approval	Approval
DAIE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign 8 Date		ion C	Chief Eng	QC Inspector
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NOTE: Date & initial all entries

H:\fFORM\$\Quality Assurance\approved QA\NCRWO RevE

DART AEROSPACE LTD	Work Order:	81670
Description: Crosstube Assembly (AS350/355 High Aft)	Part Number:	D350-748-241
Inspection Dwg: D350-748-241 Rev: F		Page 2 of 2

# WALL THICKNESS MEASUREMENT



	WALL	THICKNESS	MEASUREME	NT (IN)	Deviation	
Location	w1	w2	w3	w4	Δw (max-min)	TOLERANCE
READING 1 L= 0"	,129	-133	.131	.126	.007	
READING 2 L= 니	<i>(1)</i> 1	-098	.098	.109	.01(	
READING 3	.129	.129	.137	.146	.01(	
READING 4	.154	.156	.160	,159	,006	0.030"
READING 5	.142	.129	./28	. 135	.017	-
READING 6	. 119	- 689	1095	-1/7	.024	
READING 7	, [32	.129	.130	132	.003	

Actual Block Thickness:

				Sitesca	an 250 Measured Thicknes	
Meas	ured by:	mmil	Audited by:		Preliminary Approval:	. 2%
	Date:	12/07/11	Date:	2-6-20	Date:	
Rev	Date	Change			Revised by	Approved

# Dart Aerospace Ltd W/O: WORK ORDER CHANGES DATE STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr QC Inspector Approval OC Inspector

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed:	Date:

WORK ORDER NON-CONFORMANCE (NCR)

	WORK ORDER NON-CONFORMANCE (NCR)									
	Description of NC		Corrective Action Section B			Approval	Approval			
STEP	Section A	Initial: Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector			
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	STEP	STED Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Action Description	STEP Description of NC Section A Chief Eng Chi	STEP Description of NC Section A Chief Eng Chi	STEP Description of NC Section A Corrective Action Section B Sign & Date Chief Eng Chi			

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**\$** 8

Item	Qty -241	Part Number	Description
1	Х	D350-748-241	CROSSTUBE ASSEMBLY (AS 350/355 HI AFT)
2	1	D6015-125	CROSSTUBE (OR D6018-125)
3	2	D3502-1	SUPPORT
4	2	D2856-400-710	ABRASION STRIP
5	1	AELS-1032-225	INSERT
6	1	NAS1149D0363J	WASHER (OR AN960JD10)
7	2	MS21920-20	CLAMP (PER DART SPEC. M-MS21920-20)
8	1	MS27039-1-10	SCREW

### **GENERAL NOTES:**

1) MATERIAL: MANUFACTURED FROM D6015-125 OR D6018-125

FINISHED LENGTH = 122,700±0.06

2) FINISH: MAGNETIC PARTICLE INSPECT PER DART QSI 038 4.2 CADMIUM PLATE PER AMS-QQ-P-416B, CLASS 1, TYPE II PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2 PAINT OUTSIDE PER DART QSI 005 4.2

- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- UNITS: INCHES UNLESS OTHERWISE NOTED.
- BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- IDENTIFICATION: DART PART NUMBER "D350-748-241" AND BATCH NUMBER ON INSIDE OF CUFF PER DART QSI 044 6.4 (VIBRATING STYLUS)

PART IS SYMMETRIC ABOUT CENTERLINE, EXCEPT FOR Ø0,297 HOLE.

- RUN CUTTER OFF PART WHERE INDICATED. BLEND OUT ALL EDGES FROM MACHINING LONGITUDINALY, TRANSITION SHOULD BE SMOOTH. NOTE: ALL HOLES ARE DRILLED AFTER BENDING.
- 10) BEND PROGRESSIVELY WITH A MINIMUM OF 7 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D.

11) HEAT TREAT TO MIN. 180 KSI PER MIL-T-6736 OR AMS 2759-1C AFTER TURNING. ACCEPT ABLE TO VERIFY TENSILE STRENGTH BY HARDNESS TEST PER ASTM E18 TO 40-45 HRC.

12) INSTALL D2856-400-710 ABRASION STRIPS WITH A GAP ON BOTTOM SIDE OF CROSSTUBE, CENTERED OPPOSITE D3502-1 SUPPORT, PER QSI 035

- 13) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE. WHEN DRILLING HOLES EXTREME CARE MUST BE TAKEN AND CAREFUL DEBURRING PERFORMED TO ENSURE A CLEAN HOLE WITH NO CRACKING/CHIPPING/GROOVES.
- 14) TORQUE CLAMPS 60 TO 80 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.



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15) MAX TWIST AFTER BENDING: WITH XTUBE LAYED FLAT ON SURFACE, THE DIFFERENCE BETWEEN CUFF HEIGHTS FROM THE SURFACE MAY BE NO LARGER THAN 0.25 (ZN C1-3).

SHOPEORY RETURN 16. **ENGINEERING** UNCONTROLLED COF SUBJECT TO AMENDMEN. WITHOUR NORKER NO CYG TO MUS 12/05/31



F	TWIST	RC TEST OP LIMIT (A8-1, , STOCK DIM	СР	10.11.23				
E	STAND	DARDS; RELE	NOTES: UPDATE TO CURRENT OCATED FLAG #6 PER PAR 08-046 LERANCES (ZN C6-3, D2-3)	RF	09.09.30			
D	MAG. I	PARTICLE AN	ID CAD PLATE AS MFD.	CP	06.10.31			
С	ADD C	AD PLATING		CP	06.08.14			
В	ADD D	6018-125 & P	RIME AND PAINT	CP	06.06.30			
Α	NEW IS	SSUE		CP	06.03.31			
REV.			DESCRIPTION	BY	DATE			
DESIGN	1	P	DART AEROSP	ACF	LTD			
DRAWN		92	HAWKESBURY, ONTAR					
CHECKED		<u>h</u>	DRAWING NO.	VING NO.				
MFG. APPR.		Ey	D350-748-241 SHEET					
APPROVED -		-W <sub>i</sub>	TITLE		SCALE			
DE APP	R.	all .	CROSSTUBE (AS 350/355 F	d AFT)	NTS			

DATE

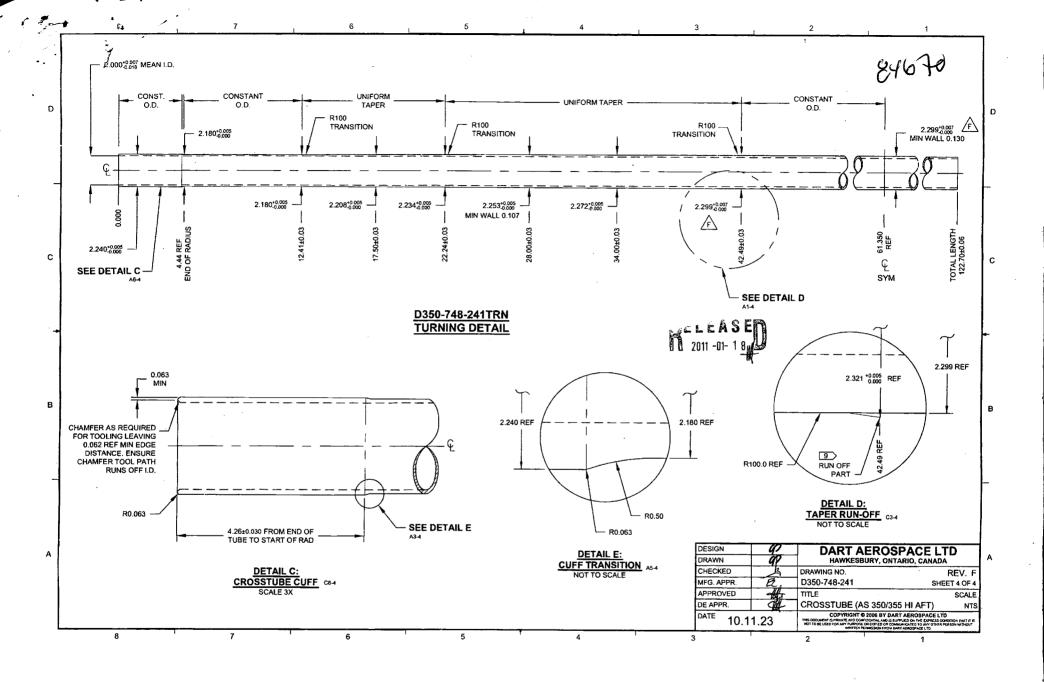
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10.11.23

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Dart Aerospace	Ltd
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W/O:		WORK ORDER CHANGES								
DATE	STEP	PRO	PROCEDURE CHANGE By Date Qty						Approval Chief Eng / Prod Mgr	Approval QC Inspector
							•			
									· •.	
Part No		PAR #:	Fault Cate	jory:	_ NC	R: Yes	No <b>DQ</b>	\:	Date:	
	R	esolution:	Disposition	l: '	_ QA	: N/C CI	osed:		Date: _	
NCR:			WORK ORDI	R NON-CONFORM	ANCE	(NCF	R)			
DATE	STEP	Description of NC	L		ion B	Sign 8	Verific		Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng		Date	Section	on C	Chief Eng	QC Inspector
1967							3			
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### **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES										
DATE	STEP	 PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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•			, Az									
Dort No		 DAD # Foult Cotogony	1	D- V	No DO		Deter					

Resolution:		olution: QA: N/C Closed: _									
NCR:			WORK OR	WORK ORDER NON-CONFORMANCE (NCR)							
DATE ST	STEP Description of NC Section A		Initial Chief Eng	Corrective Action Action Descri	Section B  ption Sign Date		Approval Chief Eng	Approval QC Inspector			
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				:							
		www.									
		<u> </u>		-			·				
							•				

# METLAB 1000 E. MERMAID LANE WYNDMOOR, PA 19038

Packing I Sales Order Nu

> Sales Order Aug 1.

عشرير

Voice:

215-233-2600

Fax:

215-233-5653

Sold To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 Ship To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7

Customer ID	PO Number	Payment Terms
DARA	PO17555	Net 30 Days
	Ship Via	Process
*	R & L CARRIER	HT

Quantity	ltem	Description	Total Shipped	This Shipr
	EACH	D350-748-241TRN		
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
		AMS 2759-IC)		,
	1	SANDBLAST AFTER HT		:
1.00	EACH	D350-748-241TRN		
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
	:	AMS 2759-IC)		!
		SANDBLAST AFTER HT	ستن	•
1.00	EACH	D350-748-241TRN	•	
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
	i.	AMS 2759-IC)		
		SANDBLAST AFTER HT		i
1.00	EACH .	D350-748-241TRN		
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		•
		AMS 2759-IC)		
	,	SANDBLAST AFTER HT	i i	:
1.00	EACH	D350-748-241TRN	:	
		HEAT TREAT TO MIN 180 KSI (MIĹ-T-6736 OR		
		AMS 2759-IC)		
	i i	SANDBLAST AFTER HT		
		1		

COMMENTS	
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SHIPPED BY, SIGNATURE METLAB

RECEIVED BY, SIGNATURE DART AEROSPACE

DATE

DATE

## **METLAB** 1000 E. MERMAID LANE WYNDMOOR, PA 19038

Packing I Sales Order Nu

Sales Order

Aug 1,

Voice:

215-233-2600

Fax:

215-233-5653

Sold To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 Ship To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7

Customer ID	PO Number	Payment Terms
DARA	PO17555	Net 30 Days
	Ship Via	Process
	R & L CARRIER	

Quantity	Item	Description	Total Shipped	This Shipn
1.00	EACH	D350-748-241TRN	200	
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
		AMS 2759-IC)		i
		SANDBLAST AFTER HT		
1.00	EACH	D350-748-241TRN		:
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		:
:		AMS 2759-IC)		
		SANDBLAST AFTER HT		
1.00	EACH	D350-748-241TRN		
ļ		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
		AMS 2759-IC)		:
i į		SANDBLAST AFTER HT		
1.00	EACH	D350-748-241TRN	: !	
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
		AMS 2759-IC)		
1 2 2		SANDBLAST AFTER HT	سنتن	
1.00	EACH .	D350-748-241TRN		:
į		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		1
		AMS 2759-IC)		i
		SANDBLAST AFTER HT	•	1
•				1

COMMENTS

SHIPPED BY, SIGNATURE DATE METLAB

RECEIVED BY, SIGNATURE DART AEROSPACE

DATE



# Invoice

Invoice Num 0114 Invoice D Aug 16, 20

Sold To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 Ship To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7

Cus	stomer ID	Customer PO	Payment Te	Payment Terms			
	DARA	PO17555	Net 30 D	ays			
Shop	Order No.	Shipping Method	Ship Date	Due Dat			
7	3276	R & L CARRIER	8/16/12	9/15/12			
Quantity	Item	Description	Unit Price	Extensi			
1	EACH	D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR AMS 2759-IC)	2 <u>05</u> .000	20			
1	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR AMS 2759-IC)	205.000	20			
1	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736	205.000	2(			
1	EACH	OR AMS 2759-IC) SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR AMS 2759-IC)	205.000	2(			
1 /	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR AMS 2759-IC)	205.000	2(			
1	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736	205.000	2(			
ANY DISCOST							

ANY DISCREPANCIES MUST BE REPORTED WITHIN 10 DAYS AFTER RECEIPT.

We accept AMEX, Visa & Master Card

Subtotal Continuity Shipping/Handling
Total Invoice Amount Continuity Payment Received

TOTAL Continuity Conti



Heat Treating and Metallurgical Consulting



Commercial Invoice:145

Ship From: Dart Aerospace Ltd.

1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Canada

Tel # 1.613.632.5200 GST # RT101272607 Ship To: METLAB

1000 E Metmaid LN

Wyndmoor

PÁ, 19038 US

**ATTN: Mark Podob PH#** 215 233 2600

Date:

27-Jul-12

P.O. # 17555

Ship Via:

Day & Ross PPD

FOB:Origin

Item	Part Number / Product Description	Tariff Class.	Quantity	U	nit Price		Total
1	Crosstube D350-748-241	8803.20	10	\$	1,250.00	\$	12,500.0
2		***************************************		***************************************	- T		
3							
4							
						L	

All Prices are in US Dollars

All of the above parts were made in Canada unless otherwise indicated THIS IS A CUSTOMS INVOICE ONLY

Sub Total

\$12,500.00

Total سنور \$12,500.00

Amount Due:

\$12,500.00

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada

Tel.: 1.613.632.5200 Fax: 1.613.632.1185 GST # RT101272607



# ORDER ACKNOWLEDGEMENT

6/3632/053

Mermoid La., Wyndmoor (Phila.) PA 19038-8093

Tel. (215) 233-2600 Fex (215) 233-5653 E-MAILED TO:

Rev A 5/10/10

QF-4.7.2.2-01	
CUSTOMER:	PO NUMBER:
7	1017535
lart	
DATE MATERIAL RECEIVED:	METLAB QUOTE NUMBER: N
Q1/23/2	Or, MINIMUM STD ORDER (CHECK)
0///	TO ATTRACED.
ESTIMATED SHIP DATE:	METLAB S.O. NUMBER: 1/32/7
8/13//	
WALL WILL MAK	E OUR BEST EFFORT TO SHIP YOUR ORDER ON OR BOVE IF YOU NEED TO CONTACT US REGARDING
THANK YOU FOR YOUR ORDER. WIS WILLD MAN	E OUR BEST EFFORT TO SHIP TO SEE SECONDING BOVE. IF YOU NEED TO CONTACT US REGARDING BS O NUMBER SHOWN ABOVE.
BEFORE THE ESTIMATED SHIP DATE SHOWN A THIS ORDER, PLEASE REFERENCE THE METLA	B S.O. NUMBER SHOWN ABOVE.
THIS ORDER, I LUMBER	(A)
QUOTATION MISSING?OK TO	PROCESS WITHOUT
	TUODITION DO CESSING WITHOUT
PURCHASE ORDER MISSING?OK TO	START PROCESSETO WILLIAM START
NOTE THAT WE NEED THE FOLLOWING INFOR	MATION IN ORDER TO COMPLETE YOUR ORDER
	THE PARTY OF THE P
AND TO MEET THE PROMISED SHIP DATE:	,
AND TO MEET THE PROMISED SHIP DATE:	,
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THIS ORDER IS ACKNOWLEDGED WITH THE UNDERSTANDING THAT THE ABOVE PURCHASE ORDER IS IN ACCORDANCE WITH METLAB'S TERMS AND CONDITIONS OF SALE AS SUBMITTED AT THE TIME OF THE ABOVE QUOTATION.

Page 1 of 1

Process Owner: M. Podob

Management Representative: W. Miller

Approved by: J.G.Conybear



STRAIGHT BILL OF LA	DING - 1.866.D	AY.J	ROSS		ON UNIT CHARGÉ DANS VÉ	ND. OF PIECES QUANTITÉ DE MORCEAUX
DATE LEVE	L OF SERVICE		C.O.D	<del></del>  _	Pick Up Informa	tion
MONTH DAY YEAR GENERAL		AMOUNT			Telephone Numb	
0/2/11	The state of the s			U.S.	Contact Name:	
	ILGATE PICK UP  ATED SERVICE		ATE DELIVERY RATURE CONTRO	OT (TT ONLY)	Ready Date & Ti	ime:
	ATED SERVICE  ADE SHOW PU		SHOW DELIVER		Closing Time:	
HAZARDOUS GOODS* LINI APPOINTMENT DELIVERY(DATE/TIME)	BOND	Provi	ESTED BY: S	unnen [	CONSIGNEE	BILL TO THIR
*this shipment contains dangerous goods as set out in the att	ached shipper's declaration	- REQU		HIPPER L	CONSIGNEE	DBEE 10 CIMA
A 2 SHIPPER	1.121.276	2001			NSIGNEE	TEL, NO. 215 237
DAY & ROSS ACCT. NO. (13 6 5 2 4 T SHIPPER'S NAME	EL NOUS (SOCIED ASSESSED EN PORTO DE LA PORTO DEL PORTO DE LA PORTO DE LA PORTO DE LA PORTO DEL PORTO DE LA PORTO DEL PORTO DE LA PORTO DEL PORTO DE LA PORTO DE LA PORTO DE LA PORTO DEL PORTO DE LA PORTO DE LA PORTO DEL PORTO DE LA PORTO DEL PORTO DEL PORTO DEL PORTO DEL PORTO DEL PORTO DEL PORTO DELA PORTO DEL PORTO DEL PORTO DEL PORTO DEL PORTO DEL PORTO DEL POR		DAY & ROSS ACC CONSIGNEE'S NA		All Da	da h
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CITY PROV. COUNT	TRY POSTĂL CODE	/6/	CITY		PROV. COUNT	
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PREPAID	□ COLLECT	Ĺ				
CASH IN AMOUNT ADVANCE	CURRENCY: CDN		BILL TO ADDRES			
THIRD PARTY BILL TO ACCOUNT NUMBER		7				
Days Days EXPIRY	·	╡			***************************************	
CARD DATE		_	GST:		TO COLDIT	RY POSTAL CODE
NO			CITY		PROV. COUNT	
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·						
ALL USED HOUSEHOLD GOODS AND PERS	CONAL EFFECTS SUIPPED AT SUI	IDDED'S DIS	SK OF DAMAGE			
The uniform TERMS OF CARRIAGE apply to	NOTICE OF CLAI	M must be	submitted in		The carrier's maximum li	iability is limited by the TERM Il of Lading. (See Term and C
this BILL OF LADING. (See Term and Condition No. 1)	writing within sixty Condition No. 2)	/ (60) days	of delivery. (See Te	erm and C	No. 5)	il of Lauring. (See Term and C
SHIPPER'S PO 175	55		PICK-UP DATE	07.	27-20	NO. OF PCS.
SHIPPER'S SIGNATURE BUGILLO	Alde	D <sub>2</sub>	AY & ROSS DRIVER		165	PURCHASE ORDER
PRINT BRIGITTE	Golder	F	POWER NO.	ステ	10004 (N 137	TRAILER NO.
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			Olin	1. 30	7 100 11 .	•

OTT 1983132 0

NIR R-500048-5

NIT. OFF UNIT DÉCHARGÉ DU VÉNICULE NO.

NO. OF PIEC



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

### PURCHASE ORDER

### Purchase Order ID PO17555

Purchase Order Date 7/27/2012 PO Print Date 7/27/2012

Page Number 1 of 3

منتزح

Order From:

VU-MET001

**METLAB** 

1000 E. MERMAID LANE WYNDMOOR, PA 19038

**USA** 

**Contact Name** 

**Vendor Phone** Vendor Fax

215-233-2600

215-233-5653

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30 USD

Currency

**FOB** 

Destination-Collect

Ship To:

DART AEROSPACE LTD ...

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable Uni	Req Qty/ t of Measure	Ship Method	Unit Price	Extended Price
	Vendor Part Number					سنزع	
1 84	674	D350-748-241TRN	10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.0
		Special Inst:	HEAT TREAT TO N (MIL-T-6736 OR AI SAND BALST TUB TREAT CETIFICATIONS	MS 2759-1C)	ΛT		
2 84	667	D350-748-241TRN	10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.0
		Special Inst:	SAME AS ABOVE		·		
3 84	670	D350-748-241TRN	10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.0
						ستثرن	
	,	Special Inst:	SAME AS ABOVE	,			
4 84	676	D350-748-241TRN	10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.0

PO Instructions: OTT19831320

CROSSTUBE WILL BE LEAVING THIS AFTERNOON WITH DAY&ROSS TRACKING #

No substitution or deviation without

consent.

Certificate of Conformity or Material Certification required - YES NO

Change Nbr:

**Change Date:** 7/27/2012



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

### **PURCHASE ORDER**

### Purchase Order ID PO17555

Purchase Order Date 7/27/2012 PO Print Date 7/27/2012

Page Number 2 of 3

1	der From : METLAB 1000 E. MERMAII WYNDMOOR, PA USA		VU-MET001			E Constitution of the Cons	
V V	Contact Name Cendor Phone Cendor Fax Cendor Account Nbr	215-233-2600 215-233-5653	Buyer Requisitio Tax Resa Terms Currency FOB	le Nbr	Brigitte Golden  10127-2607  Net 30  USD  Destination-Collect		
5	84659	Special Ins D350-748-141TRN	SAME AS ABOVE 10:40:00 AM Yes	J <sub>1.00</sub>	Day & Ross ppd	\$205.0000	\$205.0
6	86271	Special Ins D350-748-141TRN	t: SAME AS ABOVE 10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.0
7	84666	Special Ins D350-748-241TRN	t: SAME AS ABOVE 10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.
8	84660	Special Ins D350-748-141TRN	t: SAME AS ABOVE 10:40:00 AM Yes	J <sub>1.00</sub>	Day & Ross ppd	\$205.0000	\$205.0
9 .	84675	Special Ins D350-748-241TRN	t: SAME AS ABOVE 10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.0
10	86266	Special Ins D350-748-141TRN	st: SAME AS ABOVE 10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.

PO Instructions:

CROSSTUBE WILL BE LEAVING THIS AFTERNOON W!TH DAY&ROSS TRACKING #

OTT19831320

Certificate of Conformity or Material Certification required - YES

Change Nbr:

1

Change Date: 7/27/2012

No substitution or deviation without consent.



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

### **PURCHASE ORDER**

### Purchase Order ID PO17555

Purchase Order Date 7/27/2012 **PO Print Date** 7/27/2012

Page Number 3 of 3

Order From:

**METLAB** 

1000 E. MERMAID LANE WYNDMOOR, PA 19038

**USA** 

Contact Name

Vendor Phone

215-233-2600

Vendor Fax

215-233-5653

Vendor Account Nbr

VU-MET001

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms Currency Net 30 USD

**FOB** 

Destination-Collect

Special Inst:

SAME AS ABOVE

PO Total:

\$2,050.0

PO Instructions: OTT19831320

CROSSTUBE WILL BE LEAVING THIS AFTERNOON WITH DAY&ROSS TRACKING #

Change Date:

No substitution or deviation without consent.

Certificate of Conformity or Material Certification regained - YES NO

Change Nbr:

### **Brigitte Golden**

From:

Mark Podob <mpodob@metlabheattreat.com>

ستثربي

سنزز

Sent:

Friday, July 27, 2012 11:21 AM

To:

Dan Krackovic; Doris Funches; Eugene Roberts

Cc:

Brigitte Golden

Subject:

FW: PO17555 from Dart

Attachments:

PO17555 METLAB.pdf

New P.O. from Dart Aerospace attached. Thanks.

Mark Podob Vice President, Marketing and Sales Metlab 1000 E. Mermaid Lane Wyndmoor, PA 19038 215-233-2600 Ext. 232 (F) 215-233-5653

mpodob@metlabheattreat.com

This message and any attachments are intended for the individual or entity named above. If you are not the intended recipient, please do not forward, copy, print, use or disclose this communication to others; also please notify the sender replying to this message and then delete it from your system.

From: Brigitte Golden [mailto:bgolden@dartaero.com]

Sent: Friday, July 27, 2012 11:19 AM

**To:** Mark Podob **Cc:** 'Linda Lacelle'

Subject: PO17555 from Dart

Please find attached the PO

Thank You

From: Linda Lacelle [mailto:llacelle@dartaero.com]

**Sent:** Thursday, July 26, 2012 2:36 PM **To:** mpodob@metlabheattreat.com

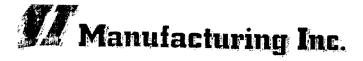
Cc: Brigitte Golden
Subject: more tubes

Hi Mark

We will be shipping out 9 tubes tomorrow for heat treat. Another batch should follow end of next week. As always, I need these asap..

Thx!

Linda Lacelle Production manager Dart Aerospace



Packing Slip 6

Date	Page
Sep 24, 2012	1

**Shipment Number** SH005312

772 MAHI TREET E., P.O. BOX 3, HAWKES WY, ONTARIO K6A 2R4

TEL: (613) 632-0921 FAX: (613) 632-2681

Ship To: DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 **CANADA** 

Sol :: D: F -PACE 1. A.S. DEEN STREET HAWKER TIRY, ON K6A 1K7 CAMADA

-0		P <b>O Number</b> 17979	Customer No. DAR100	Order No. OR005146	Ship Via		Order Septembe	
11	onber			escription	Qty. Ordered	UOM	Qty. Shipped	Qty. Backord.
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